| Application/Control No. |
|-------------------------|
|-------------------------|

10/748,359

Examiner

Tuan Quach

Applicant(s)/Patent under Reexamination

DUBIN ET AL.

Art Unit

2826

| √ | Rejected |
|---|----------|
| H | Allowed |

| | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| Z | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Claim | | | | | | - | | J | | _ | | | | | | | | | i | ш |
|---|----------|----|----------|--|--------------|--|--|--|---|------------|----------|----|-----|-----|-----------|----------|---|----------|------------|---------------|
| Fe | Claim | | Г | | | | Date | e | | | | 1 | Cla | im | | | | | Date | |
| 1 | | | 10/24/05 | | | | | | | | | | | | | | | | | |
| S2 | <u> </u> | ļ | | L | _ | ļ | _ | | L | _ | | | | | Н | _ | | _ | _ | H |
| S3 V | | | | <u> </u> | - | - | | - | - | - | | 1 | | 51 | Н | - | _ | ├— | ⊢ | Н |
| 4 V | | 3 | | H | \vdash | ⊢ | ├ | ├ | - | | | | | | \vdash | — | | ├ | _ | Н |
| 55 V | | | | - | | ╌ | - | ┢ | ┢ | \vdash | _ | 1 | | 54 | Н | \neg | | \vdash | \vdash | \vdash |
| 6 | \vdash | | | - | | ┢ | ┝ | ┢ | ┢─ | Н | _ | | | | Н | | | \vdash | \vdash | H |
| 7 V | — | | | \vdash | | \vdash | _ | _ | _ | | - | | | 56 | Н | | _ | ┢ | \vdash | \vdash |
| S | | | | - | \vdash | - | \vdash | | - | | | 1 | | | | - | | <u> </u> | | Н |
| 9 N 60 60 61 60 61 11 N 66 61 12 N 66 62 13 N 66 63 N 66 64 15 N 66 65 16 N 66 66 N 66 N 66 N 66 N | | | | | \vdash | <u> </u> | _ | | | \vdash | _ | | | | | | | _ | _ | |
| 10 N 60 61 11 N 62 62 | | | | | - | | | | _ | | Т | | | 59 | | | | | \vdash | \Box |
| 11 | | | | | \vdash | T | Г | _ | | | | | | | | | | | | |
| 12 N | | | | | | _ | \vdash | _ | | | | | | | П | | | | | |
| 13 N 63 64 65 66 67 68 67 68 69 70 71 72 72 72 73 74 74 75 75 75 76 77 78 79 79 79 79 79 79 70 70 71 72 72 73 74 74 75 75 75 75 75 76 77 78 78 79 79 79 79 79 79 79 70 70 71 72 73 74 74 75 75 75 75 75 75 75 76 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 | | | N | | | | | | | | | | | | T | | | | | |
| 14 N | | | N | Г | Г | | | | | | | | | | | | | | | |
| 15 N | | | N | | | | | | | | | | | 64 | | | | | | П |
| 17 N 68 68 69 70 70 71 71 72 72 73 74 74 75 78 88 89 99 99 99 99 99 99 99 99 99 99 99 | | 15 | N | | | | | | | | | | | 65 |] | | | | | |
| 18 N 68 19 N 69 20 N 70 21 √ 72 23 √ 72 23 √ 73 24 √ 74 25 75 26 76 27 77 28 79 30 80 31 82 33 84 35 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99 | | 16 | | | | | | | | | | | | | | | | | | |
| 19 N 69 70 71 22 √ 72 73 74 72 73 74 74 75 75 75 75 76 77 77 78 78 79 78 79 70 | | | | | | | | | | | | | | | | | | | | |
| 20 N 70 71 72 72 73 74 74 75 75 75 75 76 77 77 77 | | | _ | | L | L | | | | \Box | | | | | Ш | | | | | |
| 21 √ 22 √ 23 √ 24 √ 25 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 81 34 84 35 85 36 86 37 87 38 86 37 87 38 89 40 90 41 91 42 92 43 94 44 94 45 96 46 96 47 97 48 98 49 99 | | | | | | | | | | | | | | 69 | | | | | | |
| 22 √ 72 23 √ 73 24 √ 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 | | | | | | _ | | <u> </u> | $ldsymbol{le}}}}}}$ | | | | | | | | | | | |
| 23 √ 73 24 √ 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 | L | | | | _ | <u> </u> | | | L | | | | | | Ш | | | | | |
| 24 √ 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 | L | | | _ | | L | L. | _ | | | | | | 72 | | | | _ | _ | |
| 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 | <u> </u> | | | _ | $oxed{oxed}$ | <u> </u> | <u> </u> | <u> </u> | | L | | | | | Ц | _ | | | | \sqcup |
| 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | L | 24 | 7 | _ | | _ | | <u> </u> | <u> </u> | | | | | 74 | | | | | | \Box |
| 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | | | | _ | _ | | _ | | | _ | | | | | | | | | |
| 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | | <u> </u> | _ | ┡ | ⊢ | | <u> </u> | ldash | | | | | | \sqcup | | | | | |
| 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | L | | | _ | <u> </u> | ┡ | \vdash | ┡ | _ | ļ., | | | | | \Box | | | | | |
| 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | L | | _ | | - | <u> </u> | H | | - | | | | | 78 | | | | | _ | |
| 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 86 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | | - | <u> </u> | | | H | - | ⊢ | ┝ | | | | | \vdash | | | | _ | \vdash |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 86 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | - | | _ | _ | \vdash | ⊢ | ┝ | - | | H | | | | | | - | _ | | _ | \vdash |
| 33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | \vdash | | | | | - | \vdash | \vdash | | | | 1 | | | \dashv | \dashv | | | _ | \dashv |
| 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | · | | | - | | ┢╌ | \vdash | H | | H | _ | | | 83 | \vdash | \neg | _ | | | - |
| 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | - | | | | \vdash | H | - | - | | | | | \vdash | \dashv | _ | - | _ | \dashv |
| 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | \vdash | _ | | | \vdash | \vdash | | | | | | \vdash | \dashv | | | \vdash | \vdash |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | \vdash | \vdash | \vdash | | Т | | | | | | \vdash | \neg | | | \vdash | \Box |
| 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | ΙĖ | | <u> </u> | | \vdash | Т | | | _ | li | | | | | _ | | \Box | \Box |
| 39 89 90 90 90 91 91 92 92 92 93 93 94 94 94 95 96 96 96 97 97 98 98 99 99 99 99 | | | _ | \Box | | T | Г | Г | | | | | | | \Box | T | | | | \Box |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | <u> </u> | П | Г | | | | | | | | \neg | | | | \Box |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 40 | | | | I | | | | | | | | 90 | | | | | | |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 41 | | | | | | | | | | | | 91 | | | | | | |
| 44 94 45 95 46 96 47 97 48 98 49 99 | | 42 | | | | | | | | | | | | | | | | | | |
| 45 95 96 96 97 97 97 98 98 99 99 99 | | | | | | | | | | | | | | 93 | | | | | | |
| 46 96 97 97 97 98 98 99 99 99 99 99 99 99 99 99 99 99 | | 44 | | | | | | | | | | | | | Ш | | | | | Ш |
| 47 97 98 98 99 99 99 99 99 99 99 99 99 99 99 | | | | | | | | | _ | | | | | | Ш | | | Ш | | |
| 48 98 99 99 99 99 99 99 99 99 99 99 99 99 | | | | | <u> </u> | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _ | | \sqcup | | | | 96 | Щ | _ | | Ш | Щ | Ш |
| 49 99 99 | | | <u> </u> | Ш | <u>L</u> . | L | L | _ | _ | L_ | | | | 97 | \sqcup | | | L | ļ | \sqcup |
| | <u></u> | | L | Щ | ļ | | _ | _ | $ldsymbol{f eta}$ | lacksquare | | | | 98 | \square | _ | | Ш | \vdash | \sqcup |
| 50 | <u></u> | | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | | <u> </u> | | | 99 | \sqcup | 4 | | Ь., | | \vdash |
| | L | 50 | <u> </u> | | | L | L | L | L | L | | ı | | 100 | Ш | | _ | | <u>L</u> . | $\sqcup \bot$ |

| Cla | im | | | | | Date | e | | _ | _ |
|-------|----------------------------|--------------|----------|--------------|------------|------------------------------|----------|--|--|----------|
| Final | Original | | | | | | | | | |
| | 51 | | | | _ | | | | | \vdash |
| | 52 | П | \vdash | Г | | Г | Г | | | П |
| | 53 | Г | Г | | \Box | | | | Г | |
| | 54 | Г | Г | | | | | | | |
| | 51 52 53 54 55 | | | | Г | | | | | |
| | 56 | | | | | | | | | |
| | 57 | | | | | | | | | |
| | 58 | | | <u> </u> | L, | L | | _ | | L |
| | 59 | | _ | | | | | ļ | <u> </u> | L_ |
| | 60 | _ | <u> </u> | L. | Ш | <u> </u> | | | | _ |
| | 61 | | | | | L | | _ | _ | |
| | 62 | | L | | | <u> </u> | | | L. | |
| | 63 | | | | | L | | <u> </u> | <u> </u> | |
| | 64 | \vdash | <u> </u> | <u> </u> | | | | <u> </u> | <u> </u> | <u> </u> |
| | 65 | | | | | _ | | <u> </u> | | _ |
| | 66 | \vdash | _ | <u> </u> | _ | | | <u> </u> | | <u> </u> |
| | 67 | <u> </u> | _ | <u> </u> | | | | _ | <u> </u> | |
| | 68 | ⊢ | | <u> </u> | | _ | | | <u> </u> | |
| | 69 70 | \vdash | \vdash | ┝ | | \vdash | _ | ⊢ | _ | - |
| | 71 | - | - | - | | - | | ⊢ | \vdash | |
| | 72 | \vdash | H | | | - | | _ | <u> </u> | |
| | 73 | | | | - | - | - | - | | - |
| | 73 74 75 | \vdash | \vdash | ┢╌ | | - | | ├─ | ├- | |
| | 75 | \vdash | - | \vdash | | - | | | | |
| | 76 | \vdash | \vdash | | _ | _ | | \vdash | | |
| | 76 77 | \vdash | | | | \vdash | | \vdash | | |
| | 78 | Г | | | | | | | | |
| | 79 | | | | | | | Г | | |
| | 80 | | | | | | | | | |
| | 81 | | | | | | | | | |
| | 82 | | | | | | | | | |
| | 83 | | | | | | | | | |
| | 84 | | | | | | | | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | | | | | | | | | |
| | 88 | | | | | | | L | | |
| | 89 | | Ĺ., | | | | | _ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | |
| | 90 | <u> </u> | <u></u> | Ш | | | | <u> </u> | | |
| | 91 | | _ | \sqcup | | | | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | |
| | 92 | \vdash | _ | | lacksquare | lacksquare | | <u> </u> | ļ | L |
| | 93 | <u> </u> | \vdash | \vdash | Ш | $ldsymbol{ldsymbol{\sqcup}}$ | | <u> </u> | <u> </u> | L. |
| | 94 | \vdash | \vdash | \vdash | <u> </u> | | | <u> </u> | | |
| | 95 | \vdash | \vdash | \vdash | <u> </u> | <u> </u> | | <u> </u> | \vdash | _ |
| | 96 | \vdash | \vdash | \vdash | H | \vdash | H | \vdash | \vdash | |
| | 97 | | - | | <u> </u> | - | <u> </u> | - | \vdash | _ |
| | 98 99 | \vdash | \vdash | H | H | \vdash | H | \vdash | \vdash | |
| | 100 | \vdash | - | - | | \vdash | - | | - | _ |
| | | | | | | | | | | |

| Cla | aim | Γ. | | | | Date | | | | |
|----------|--------------------------|----|----------|--------------|----------|--|----------|----------|--|--------------|
| | | | | Γ | | Г | | | | |
| Final | Original | | | | | | | | | |
| | 101 | | | | | | | | | |
| | 102 | | | | | | | | | |
| | 103 | | Г | | | | | | | |
| | 103 104 | | | | | | | | | |
| | 105 | | | | | | | | | |
| | 105 106 | | | | | | | | | |
| | 107 | | | | | | | | | |
| | 108 | | | | | | | | | |
| | 109 | | | | | | | Ц. | | |
| | 110 111 | | | L | L | | | | | |
| | 111 | | | | <u> </u> | <u></u> | | | | |
| | 112 | | | <u> </u> | | L | | ļ | L. | |
| | 113 | | | L | | L., | | | L | |
| | 113 114 115 | | | | | | | L_ | L_ | |
| \sqcup | 115 | | | Щ | Щ | <u> </u> | _ | 匚 | <u> </u> | Щ |
| | 116 117 | | L | | | | | | | |
| | 117 | | | | | | | | L | |
| | 118 119 | | | | | | | | <u> </u> | |
| | 119 | | | | | | | <u> </u> | | |
| | 120 | | | | | | | | | |
| | 121 122 123 | | | | | | | _ | ļ | |
| \perp | 122 | | | _ | | | | <u> </u> | _ | |
| <u> </u> | 123 | | | _ | | _ | _ | L | _ | _ |
| | 124 125 | | | | | | | <u> </u> | | |
| | 125 | | | | | | | <u> </u> | _ | _ |
| \vdash | 126 | | | | | | | <u> </u> | ļ | L. |
| \vdash | 126 127 128 129 | | _ | _ | _ | | | - | <u> </u> | _ |
| \vdash | 128 | | | | _ | | | <u> </u> | <u> </u> | |
| <u> </u> | 129 | | | | | _ | _ | ┞ | <u> </u> | _ |
| | 130 | | | | | | | <u></u> | <u> </u> | _ |
| | 131 | | _ | _ | _ | | _ | <u> </u> | ├ | |
| \vdash | 132 133 | | H | | \vdash | _ | - | ┝ | \vdash | _ |
| <u> </u> | 133 | | | _ | | <u> </u> | _ | <u> </u> | | |
| \vdash | 134 135 | - | | - | - | <u> </u> | - | \vdash | \vdash | μ. |
| \vdash | 136 | _ | Н | \vdash | Н | _ | \vdash | \vdash | \vdash | |
| \vdash | 137 | | - | | H | <u> </u> | <u> </u> | \vdash | - | <u> </u> |
| \vdash | 137 138 | | \vdash | \vdash | \vdash | \vdash | - | \vdash | \vdash | |
| \vdash | 139 | - | | | - | | _ | - | <u> </u> | |
| - | 140 | | Н | | | | | - | \vdash | \vdash |
| - | 141 | | \vdash | - | \vdash | \vdash | _ | Н | \vdash | \vdash |
| - | 142 | - | Н | | | H | _ | \vdash | \vdash | |
| | 143 | | | | | | \vdash | \vdash | <u> </u> | \vdash |
| | 144 | | Н | \vdash | Н | \vdash | | \vdash | - | - |
| \vdash | 145 | | Н | H- | | | - | \vdash | \vdash | - |
| | 146 | | | \vdash | | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 147 | _ | | \vdash | | <u> </u> | - | Н | \vdash | <u> </u> |
| \vdash | 148 | | Н | \vdash | | \vdash | _ | | - | - |
| \vdash | 149 | | - | \vdash | | | - | | | |
| | 150 | | \vdash | | | | - | | \vdash | |
| L | 130 | | | ш | | Ц., | | ـــــا | | |